

Serial No. 09/849,044

PATENT

CLAIM AMENDMENTS

1 1. (Currently Amended) A stent graft comprising:
 2 at least one stent having a proximal end and a distal end and having
 3 a lumen extending therethrough between the proximal and distal ends, and
 4 a covering of collagen having an isolated extracellular matrix layer
 5 that becomes remodeled by host tissue, secured to the at least one stent
 6 and extending therealong between the proximal and distal ends, wherein
 7 the covering is a sleeve that initially has a length about equal to twice the
 8 length of the at least one stent, a first portion of the sleeve extends along
 9 and complements inside surface of the at least one stent, and a second
 10 portion of the sleeve is folded back over a proximal end of the at least one
 11 stent and then along an outside surface of the at least one stent to the distal
 12 end thereof, and wherein the first portion and the second portion of the
 13 sleeve are secured to at least the distal end of the at least one stent.

1 2. (Canceled)

1 3. (Currently Amended) A stent graft comprising:
 2 at least one stent having a proximal end and a distal end and having
 3 a lumen extending therethrough between the proximal and distal ends, and
 4 a covering of collagen having an isolated extracellular matrix layer
 5 that becomes remodeled by host tissue, secured to the at least one stent
 6 and extending therealong between the proximal and distal ends, wherein
 7 the covering is a sleeve that initially has a length about equal to twice the
 8 length of the at least one stent, a first portion of the sleeve extends along
 9 and complements inside surface of the at least one stent, and a second
 10 portion of the sleeve is folded back over a proximal end of the at least one
 11 stent and then along an outside surface of the at least one stent to the distal
 12 end thereof, wherein the ~~The stent graft of claim 1,~~ further comprising a
 13 plurality of stents connected together to form a stent frame with lumens of
 14 the respective stents coaligned to form a common continuous lumen

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15 extending from a distal stent frame end to a proximal stent frame end, and
16 the covering extending therealong between the proximal and distal stent
17 frame ends.

1 4. (Original) The stent graft of claim 3, wherein the stent frame has eyelets
2 at the proximal and distal ends.

1 5. (Original) The stent graft of claim 4, wherein the covering is sutured to
2 the stent frame using a filament of biocompatible material that extends
3 through the eyelets.

1 6. (Original) The stent graft of claim 3, wherein each of said plurality of
2 stents has eyelets at proximal and distal ends thereof, and the covering is
3 sutured to the stent frame using a filament of biocompatible material that
4 extends through the eyelets.

1 7. (Original) The stent graft of claim 1, wherein the covering is secured to
2 the at least one stent at locations along the stent using a filament of
3 biocompatible material, the locations being adapted to secure the filament
4 in position against movement axially with respect to the stent during
5 deployment at a treatment site of a patient.

1 8. (Original) The stent graft of claim 1, wherein the covering is a sleeve of
2 small intestine submucosa material.

1 9. (Original) The stent graft of claim 8, wherein the sleeve is defined by
2 connecting together along a seam, opposite edges of at least one flat tissue
3 of the small intestine submucosa material.

1 10. (Canceled)

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1 11. (Canceled)

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